

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1010052

Luminaire Tested: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010052
REPORT IS A COMBINATION OF REPORTS P988362 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDIP-B485D725UB35-4F0-XX-W2A-A4
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

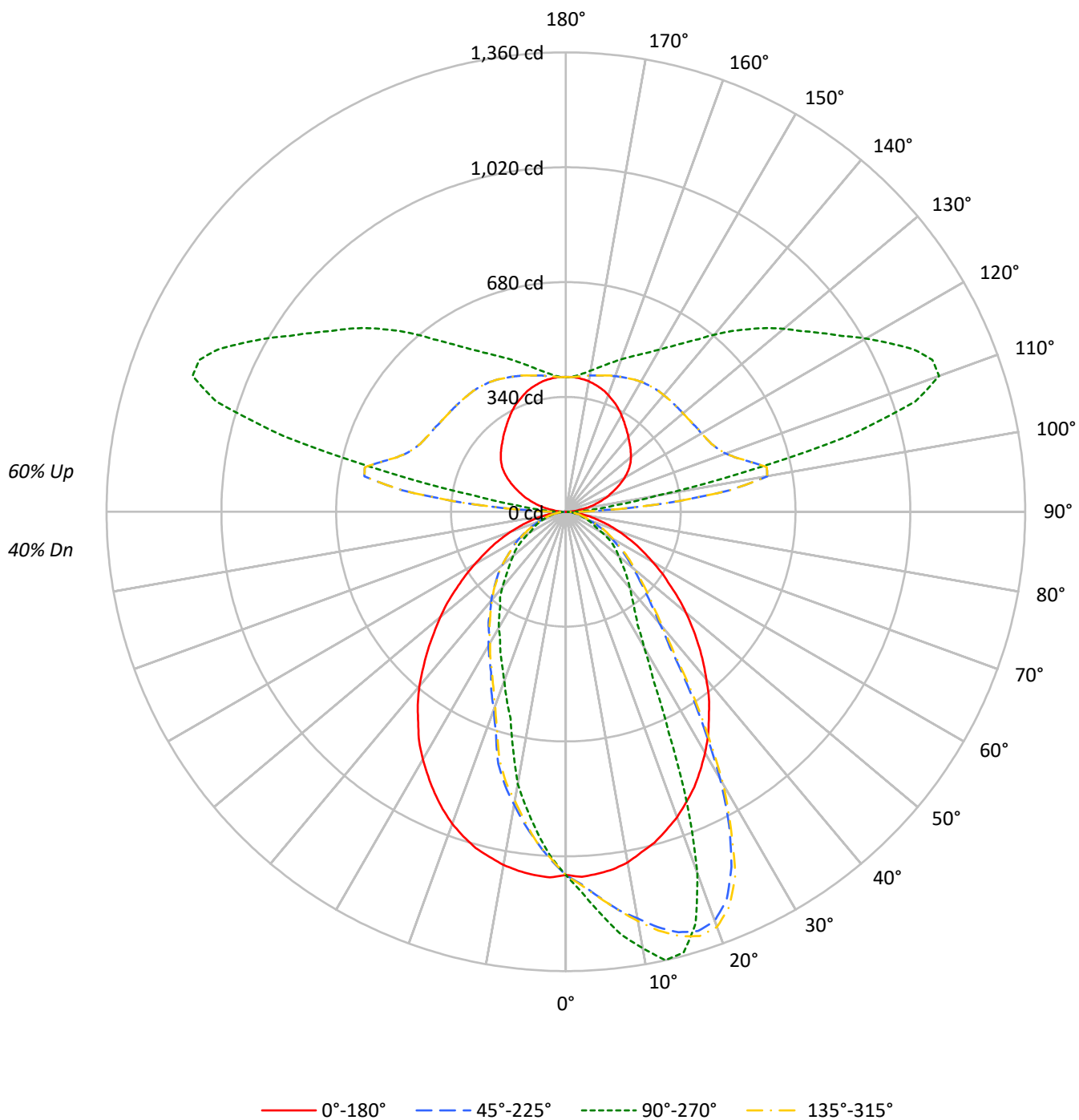
Lumens per Lamp: N/A
Luminaire Lumens: 4637.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47
1	96	92	89	85	87	84	81	78	69	67	65	55	54	53	42	42	41
2	88	81	76	71	80	74	69	65	61	58	55	49	47	45	38	37	35
3	81	72	65	60	73	66	60	55	55	50	47	44	41	39	34	33	31
4	74	64	57	51	68	59	52	48	49	44	41	40	37	34	31	29	27
5	68	57	50	44	62	53	46	41	44	39	35	36	33	30	29	26	24
6	63	52	44	39	58	48	41	36	40	35	31	33	29	26	26	24	22
7	59	47	39	34	53	43	37	32	37	32	28	30	26	24	24	22	20
8	54	43	35	30	50	40	33	29	33	29	25	28	24	21	22	20	18
9	51	39	32	27	46	36	30	26	31	26	23	26	22	19	21	18	16
10	48	36	29	25	44	33	27	23	29	24	20	24	20	18	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17020	17020	17020	17020
5°	17058	18077	17117	14441
10°	16870	19107	16990	11926
15°	16505	19113	16785	8958
20°	16064	15799	16415	7391
25°	15531	9873	15866	6288
30°	14849	6320	15252	5413
35°	14020	4857	14473	4633
40°	13095	4083	13655	4052
45°	12108	3476	12613	3401
50°	11096	2953	11612	2942
55°	9974	2566	10512	2533
60°	8979	1957	9455	1934
65°	8048	1472	8525	1671
70°	7020	1176	7570	1362
75°	5935	902	6478	1030
80°	4710	612	5070	675
85°	3277	315	3588	334

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 15568 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	2.2
10°-20°	284.7	6.1
20°-30°	366.3	7.9
30°-40°	347.6	7.5
40°-50°	297.9	6.4
50°-60°	226.8	4.9
60°-70°	143.1	3.1
70°-80°	71.4	1.5
80°-90°	20.9	0.5
90°-100°	155.4	3.4
100°-110°	547.3	11.8
110°-120°	574.8	12.4
120°-130°	472.9	10.2
130°-140°	379.9	8.2
140°-150°	287.0	6.2
150°-160°	201.7	4.4
160°-170°	118.8	2.6
170°-180°	38.6	0.8
0°-30°	753.0	16.2
0°-40°	1100.5	23.7
0°-60°	1625.2	35.0
0°-90°	1860.6	40.1
90°-120°	1277.5	27.6
90°-150°	2417.3	52.1
90°-180°	2776.0	59.9
0°-180°	4637.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1075	1075	1075	1075	1075	
5°	1076	1196	1080	956	1076	102
15°	1014	1350	1031	633	1014	285
25°	900	720	919	459	900	413
35°	738	355	762	338	738	462
45°	554	247	578	241	554	428
55°	374	171	394	169	374	337
65°	226	89	240	101	226	225
75°	106	47	116	54	106	115
85°	23	13	25	14	23	26
90°	1	25	1	25	1	3
95°	27	87	27	87	27	28
105°	94	864	94	864	94	99
115°	165	1137	165	1137	165	163
125°	230	922	230	922	230	204
135°	270	764	270	764	270	208
145°	308	610	308	610	308	193
155°	350	513	350	513	350	161
165°	382	450	382	450	382	108
175°	398	406	398	406	398	38
180°	399	399	399	399	399	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1081.9	1086.4	1088.6	1091.6	1098.3	1102.8	1109.5	1111.0	1110.3	1113.3	1105.0
5°	1075.9	1085.6	1094.6	1102.1	1114.0	1121.5	1129.7	1139.4	1141.7	1152.9	1146.1
7.5°	1067.7	1081.9	1094.6	1109.5	1127.5	1137.2	1149.9	1164.8	1171.5	1185.0	1188.7
10°	1054.2	1074.4	1096.1	1111.8	1136.4	1153.6	1165.6	1189.5	1205.2	1225.3	1222.3
12.5°	1032.6	1058.7	1087.9	1114.0	1146.1	1157.3	1179.8	1204.4	1224.6	1243.3	1259.7
15°	1013.9	1043.8	1075.9	1108.0	1144.6	1165.6	1188.0	1220.1	1241.8	1274.6	1288.8
17.5°	988.5	1026.6	1064.7	1100.6	1143.9	1167.8	1195.4	1226.8	1259.0	1290.3	1301.5
20°	962.3	1003.4	1044.5	1093.1	1142.4	1165.6	1194.0	1232.8	1264.2	1288.8	1288.8
22.5°	931.0	981.0	1028.1	1074.4	1128.2	1161.8	1191.0	1236.5	1259.0	1264.2	1244.0
25°	899.6	949.6	1001.2	1058.7	1120.0	1149.9	1182.7	1225.3	1232.8	1211.9	1159.6
27.5°	862.2	918.3	976.5	1038.5	1102.8	1140.2	1170.0	1198.4	1184.2	1128.2	1046.8
30°	824.1	884.6	950.4	1009.4	1087.1	1121.5	1146.9	1155.1	1110.3	1019.1	913.8
32.5°	784.5	843.5	913.0	984.0	1062.5	1095.3	1111.8	1090.1	1007.9	892.8	764.3
35°	738.2	804.7	877.2	951.1	1028.8	1053.5	1063.2	1010.2	904.8	756.1	628.4
37.5°	696.3	762.8	840.5	916.0	991.5	1004.9	995.2	912.3	778.5	631.3	506.6
40°	647.0	718.0	794.2	878.7	940.7	944.4	920.5	812.9	647.0	508.8	431.9
42.5°	601.5	673.2	749.4	835.3	882.4	869.7	837.6	696.3	540.2	438.6	376.6
45°	554.4	622.4	704.6	780.8	814.4	784.5	735.9	585.8	453.5	377.3	329.5
47.5°	508.8	572.3	653.8	727.0	733.0	699.3	641.8	490.9	393.0	331.7	292.9
50°	464.0	527.5	603.7	664.2	658.2	611.9	546.9	426.6	341.4	292.9	260.8
52.5°	419.2	476.7	550.7	598.5	573.1	528.2	464.0	361.6	298.1	255.5	230.9
55°	374.3	428.1	491.6	531.2	490.9	439.3	393.8	310.1	258.5	224.1	205.5
57.5°	337.0	379.6	437.8	461.7	413.2	372.8	333.2	266.7	224.1	199.5	177.8
60°	295.9	334.7	382.5	396.7	346.7	313.8	280.2	225.6	192.0	170.4	156.2
62.5°	260.8	292.9	329.5	329.5	285.4	260.8	235.4	189.0	161.4	144.2	137.5
65°	226.4	249.5	275.7	272.7	235.4	213.7	193.5	156.2	135.2	123.3	116.6
67.5°	192.8	210.7	227.9	217.4	190.5	171.8	153.2	126.3	112.1	103.9	94.9
70°	162.1	176.3	185.3	175.6	148.7	133.0	119.5	101.6	90.4	79.9	74.7
72.5°	136.0	142.0	144.9	133.0	110.6	101.6	91.9	79.2	69.5	64.3	62.8
75°	106.1	111.3	109.1	100.1	81.4	74.7	67.2	58.3	56.0	53.0	51.6
77.5°	82.9	82.9	79.2	71.0	58.3	53.0	50.1	45.6	43.3	42.6	41.1
80°	59.0	58.3	56.0	47.1	39.6	36.6	36.6	33.6	32.9	31.4	31.4
82.5°	38.9	38.9	35.9	28.4	26.2	25.4	24.7	23.2	23.2	22.4	22.4
85°	23.2	21.7	17.9	15.7	14.9	14.9	14.2	13.4	14.2	13.4	13.4
87.5°	10.5	8.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
90°	0.8	3.1	6.1	7.7	9.2	10.4	11.5	15.3	20.7	25.3	26.1
92.5°	11.5	16.1	22.2	26.1	32.2	36.4	40.6	61.3	90.5	116.5	118.1
95°	26.8	29.9	37.6	44.5	56.7	65.9	75.1	110.4	177.1	266.0	300.5
97.5°	39.9	44.5	52.9	62.9	76.7	87.1	97.4	142.6	235.4	378.7	489.9
100°	59.0	61.3	68.2	80.5	95.8	106.6	117.3	157.9	251.5	417.1	605.7
102.5°	76.7	78.2	85.1	97.4	113.5	124.2	134.9	171.7	252.2	402.5	609.5
105°	93.5	96.6	102.0	113.5	130.3	141.0	151.8	187.8	256.1	382.6	568.1
107.5°	111.9	114.2	119.6	130.3	147.2	158.0	168.7	203.9	264.5	371.8	529.8
110°	130.3	133.4	138.0	148.0	164.1	175.2	186.3	220.0	275.2	368.8	503.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	147.2	150.3	155.6	164.8	180.2	191.7	203.2	235.4	286.7	369.5	486.9
115°	164.8	168.7	173.3	182.5	197.8	208.2	218.5	251.5	298.2	372.6	475.4
117.5°	183.2	186.3	190.9	199.3	213.9	224.6	235.4	266.0	310.5	377.2	469.2
120°	200.1	203.2	207.8	214.7	230.0	240.8	251.5	281.4	322.8	381.8	463.9
122.5°	216.2	218.5	223.1	230.8	246.1	257.2	268.3	295.9	333.5	387.2	460.8
125°	230.0	232.3	236.9	246.1	261.4	272.2	282.9	310.5	345.0	392.5	457.0
127.5°	241.5	244.6	250.7	260.7	275.2	286.4	297.5	324.3	355.7	397.9	454.7
130°	251.5	254.5	262.2	272.9	288.3	299.0	309.7	336.6	365.7	404.0	453.1
132.5°	260.7	264.5	272.9	284.4	300.5	311.2	322.0	347.3	375.7	410.2	452.4
135°	269.9	272.9	282.1	293.6	311.3	322.0	332.7	357.3	384.1	414.8	451.6
137.5°	278.3	282.1	291.3	303.6	321.2	331.2	341.2	365.7	391.0	419.4	451.6
140°	288.3	291.3	300.5	312.8	329.7	339.6	349.6	372.6	396.4	422.5	450.8
142.5°	298.2	300.5	309.0	321.2	337.3	346.5	355.7	378.0	401.0	424.8	450.8
145°	308.2	311.3	318.9	330.4	345.8	354.2	362.6	383.3	404.8	426.3	449.3
147.5°	318.9	321.2	328.9	339.6	352.7	360.4	368.0	387.9	407.1	427.1	447.0
150°	329.7	332.0	338.1	348.1	359.6	366.5	373.4	391.0	408.6	426.3	444.7
152.5°	340.4	341.2	347.3	355.7	366.5	372.6	378.7	394.1	409.4	424.8	440.9
155°	350.4	351.1	355.7	364.2	372.6	378.4	384.1	397.1	410.2	423.2	436.3
157.5°	358.8	359.6	363.4	371.1	378.0	383.0	387.9	399.4	410.2	420.2	431.7
160°	367.2	368.0	371.1	377.2	383.3	387.6	391.8	401.0	410.2	417.9	427.1
162.5°	375.7	374.9	378.0	382.6	387.9	391.0	394.1	401.7	409.4	415.6	423.2
165°	381.8	381.0	382.6	387.2	391.0	393.3	395.6	402.5	407.9	412.5	417.9
167.5°	387.2	386.4	387.9	391.0	394.1	395.6	397.1	402.5	407.1	409.4	413.3
170°	392.5	391.0	391.8	394.1	395.6	396.8	397.9	401.7	405.6	407.1	409.4
172.5°	395.6	394.8	394.1	396.4	397.1	397.9	398.7	401.0	403.3	404.0	404.8
175°	397.9	397.1	396.4	397.9	397.9	398.3	398.7	400.2	401.7	401.0	401.7
177.5°	399.4	397.9	397.1	398.7	398.7	398.7	398.7	399.4	401.0	399.4	398.7
180°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1113.3	1114.8	1117.0	1127.5	1128.9	1131.9	1130.4	1130.4	1131.2	1129.7	1130.4
5°	1161.1	1163.3	1174.5	1187.2	1190.2	1187.2	1191.0	1196.2	1196.2	1196.2	1194.7
7.5°	1205.9	1214.1	1226.8	1245.5	1249.2	1253.0	1259.7	1255.2	1256.7	1263.4	1261.2
10°	1249.2	1261.2	1275.4	1291.1	1299.3	1304.5	1307.5	1314.2	1329.9	1312.0	1318.7
12.5°	1290.3	1307.5	1322.5	1339.6	1345.6	1352.3	1354.6	1360.6	1360.6	1359.8	1365.0
15°	1317.2	1332.9	1346.4	1357.6	1359.1	1357.6	1356.1	1356.8	1359.1	1350.1	1355.3
17.5°	1323.2	1324.7	1329.2	1324.7	1325.5	1309.8	1300.8	1298.6	1277.6	1278.4	1295.6
20°	1294.1	1268.7	1261.9	1237.3	1222.3	1182.0	1180.5	1169.3	1125.2	1138.7	1135.7
22.5°	1214.1	1170.8	1113.3	1084.9	1070.7	1028.1	995.2	972.0	956.4	940.7	933.9
25°	1108.8	1038.5	957.1	901.1	892.8	853.2	792.7	764.3	730.7	720.3	738.2
27.5°	972.8	881.6	789.7	703.8	688.1	652.3	621.6	601.5	562.6	560.4	561.9
30°	788.2	696.3	619.4	563.4	524.5	508.1	487.9	472.9	457.3	463.2	464.7
32.5°	647.8	560.4	488.6	458.8	440.8	430.4	413.2	403.5	396.7	394.5	393.8
35°	514.8	456.5	424.4	395.2	384.8	377.3	364.6	360.1	354.2	354.9	354.9
37.5°	440.8	392.3	368.3	353.4	343.7	340.0	331.7	327.3	323.5	322.0	324.3
40°	380.3	346.7	331.7	318.3	310.1	308.6	304.1	298.9	294.4	295.1	297.4
42.5°	336.2	316.8	298.9	288.4	282.4	280.2	276.4	272.7	272.7	270.5	269.7
45°	301.1	285.4	270.5	260.8	257.0	254.0	249.5	248.8	245.8	246.6	247.3
47.5°	269.7	257.0	245.8	236.1	232.4	231.6	227.1	224.1	224.1	223.4	222.7
50°	241.3	228.6	218.9	213.7	208.5	207.0	206.2	205.5	204.0	204.0	204.7
52.5°	218.2	205.5	198.0	193.5	190.5	189.0	189.0	188.3	188.3	188.3	187.5
55°	192.8	182.3	176.3	174.8	173.3	172.6	171.8	170.4	169.6	171.1	169.6
57.5°	168.9	165.1	159.9	158.4	154.7	154.7	152.4	150.9	149.4	150.9	150.9
60°	150.2	144.9	142.0	137.5	134.5	131.5	127.8	127.0	125.5	124.8	124.0
62.5°	130.8	126.3	118.8	112.1	107.6	104.6	103.1	102.4	102.4	101.6	101.6
65°	109.1	98.6	94.9	92.6	91.9	91.2	89.7	88.9	89.7	88.9	89.7
67.5°	85.2	83.7	81.4	79.9	79.2	78.5	78.5	77.7	77.7	77.7	77.7
70°	74.0	70.2	69.5	68.0	68.0	67.2	67.2	67.2	67.2	66.5	68.0
72.5°	61.3	59.0	58.3	57.5	57.5	57.5	56.8	56.8	56.8	56.0	56.8
75°	50.1	49.3	47.8	47.8	47.1	47.8	47.1	47.1	46.3	47.1	47.1
77.5°	40.3	39.6	38.9	38.9	38.1	38.1	38.1	38.1	38.1	38.1	38.9
80°	30.6	29.9	29.1	29.9	29.1	29.9	29.1	29.1	29.9	29.1	29.1
82.5°	22.4	21.7	21.7	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
85°	13.4	12.7	12.7	13.4	12.7	13.4	12.7	12.7	12.7	13.4	13.4
87.5°	6.0	6.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.7
90°	25.3	24.5	23.0	24.5	24.9	25.3	25.3	25.3	25.3	25.3	25.3
92.5°	98.9	77.4	65.9	57.5	54.4	51.4	50.6	47.5	48.3	46.8	48.3
95°	263.0	200.9	154.1	121.9	113.4	105.0	95.1	88.9	86.6	87.4	86.6
97.5°	493.8	410.9	328.1	250.7	227.7	204.7	174.8	159.5	151.0	146.4	151.0
100°	716.1	700.0	604.9	499.9	453.5	407.1	343.5	310.5	288.3	274.5	288.3
102.5°	798.9	889.4	886.3	816.5	766.7	716.9	646.3	584.2	555.1	535.2	555.1
105°	772.1	931.5	1018.2	1028.1	1015.4	1002.8	955.3	907.8	874.8	864.1	874.8
107.5°	715.3	886.3	1015.1	1090.2	1105.6	1120.9	1120.1	1113.2	1103.3	1085.6	1103.3
110°	662.4	824.2	961.4	1059.6	1091.0	1122.4	1155.4	1170.0	1176.9	1176.1	1176.9

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	625.6	767.5	897.8	1004.4	1041.6	1078.7	1127.8	1154.6	1169.2	1174.6	1169.2
115°	596.5	723.0	841.1	941.5	981.0	1020.5	1074.9	1110.2	1130.1	1137.0	1130.1
117.5°	576.6	686.2	792.0	885.5	923.1	960.7	1016.6	1054.2	1074.9	1080.3	1074.9
120°	561.2	660.1	755.2	836.5	871.4	906.2	959.9	995.9	1018.2	1025.8	1018.2
122.5°	548.2	639.4	724.5	800.4	831.1	861.8	908.5	943.8	963.0	969.1	963.0
125°	535.9	619.5	698.5	765.9	794.6	823.4	867.9	897.0	916.2	922.3	916.2
127.5°	524.4	599.6	672.4	736.8	763.6	790.5	829.6	857.2	874.0	878.6	874.0
130°	512.9	580.4	646.3	706.9	732.2	757.5	795.1	821.1	836.5	842.6	836.5
132.5°	503.7	562.0	621.8	676.2	699.6	723.0	759.8	785.9	799.7	805.0	799.7
135°	495.3	545.1	595.7	646.3	667.8	689.3	722.2	747.5	761.3	764.4	761.3
137.5°	489.2	531.3	575.0	616.4	635.6	654.8	686.2	708.4	720.7	725.3	720.7
140°	483.8	518.3	555.1	590.4	607.2	624.1	648.6	668.6	680.1	684.7	680.1
142.5°	478.4	507.6	537.5	566.6	580.0	593.4	616.4	634.1	644.0	644.0	644.0
145°	473.8	497.6	522.9	546.7	557.8	568.9	587.3	600.3	608.0	610.3	608.0
147.5°	469.2	489.9	510.6	529.8	538.2	546.7	562.8	573.5	578.9	580.4	578.9
150°	463.1	481.5	498.4	514.5	521.4	528.3	539.8	549.0	553.6	554.3	553.6
152.5°	457.7	473.1	488.4	501.4	507.2	512.9	521.4	529.0	532.1	532.1	532.1
155°	450.8	465.4	477.7	489.2	493.4	497.6	506.0	511.4	514.5	512.9	514.5
157.5°	444.7	456.2	466.9	476.9	480.4	483.8	489.9	494.5	496.1	496.1	496.1
160°	437.8	447.8	456.2	464.6	467.3	470.0	475.4	479.2	480.0	480.0	480.0
162.5°	431.7	439.3	446.2	453.1	455.0	457.0	462.3	464.6	465.4	464.6	465.4
165°	424.8	430.9	436.3	441.6	443.2	444.7	447.8	450.8	450.8	450.1	450.8
167.5°	417.9	422.5	427.1	430.9	432.4	434.0	435.5	437.0	437.0	436.3	437.0
170°	412.5	416.3	418.6	421.7	422.4	423.2	424.0	426.3	425.5	424.0	425.5
172.5°	407.1	409.4	410.9	413.3	413.6	414.0	414.8	415.6	414.8	414.0	414.8
175°	402.5	404.8	405.6	406.3	406.7	407.1	407.1	407.9	407.1	405.6	407.1
177.5°	399.4	401.0	401.0	401.7	401.7	401.7	401.7	401.7	401.0	399.4	401.0
180°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1133.4	1128.2	1126.7	1128.2	1126.7	1127.5	1122.2	1102.8	1108.0	1099.8	1104.3
5°	1197.7	1193.2	1183.5	1182.0	1180.5	1179.0	1171.5	1154.4	1147.6	1136.4	1135.7
7.5°	1259.0	1259.0	1251.5	1246.3	1239.5	1234.3	1224.6	1199.2	1188.7	1175.3	1167.8
10°	1319.5	1300.0	1308.3	1303.0	1286.6	1283.6	1265.7	1250.7	1230.6	1217.1	1205.2
12.5°	1362.8	1356.8	1349.4	1344.9	1340.4	1330.7	1318.7	1280.6	1270.2	1243.3	1229.8
15°	1361.3	1357.6	1359.8	1359.8	1358.3	1356.1	1346.4	1318.7	1300.8	1274.6	1251.5
17.5°	1288.1	1297.8	1307.5	1314.2	1329.2	1335.9	1344.9	1328.4	1317.2	1294.8	1270.2
20°	1160.3	1184.2	1212.6	1218.6	1232.1	1271.7	1289.6	1303.8	1308.3	1300.8	1280.6
22.5°	982.5	1002.7	1071.4	1069.9	1089.4	1136.4	1188.7	1231.3	1264.9	1283.6	1276.1
25°	769.6	798.0	834.6	862.2	925.7	996.0	1061.0	1128.9	1187.2	1238.8	1251.5
27.5°	582.0	619.4	648.5	685.1	717.3	800.2	883.9	990.0	1058.0	1155.8	1206.7
30°	470.7	487.9	517.0	534.2	549.9	613.4	708.3	812.9	932.4	1045.3	1132.7
32.5°	402.0	413.9	435.6	443.1	459.5	502.1	561.9	657.5	780.8	917.5	1032.6
35°	360.9	373.6	378.1	384.8	398.2	425.1	466.2	535.7	647.0	780.8	918.3
37.5°	325.8	332.5	345.2	349.7	354.2	374.3	402.0	450.5	524.5	634.3	786.8
40°	301.1	304.8	311.6	315.3	318.3	332.5	357.1	390.0	444.6	528.2	668.7
42.5°	275.0	279.4	283.9	288.4	292.1	303.3	318.3	349.7	386.3	449.8	551.4
45°	249.5	252.5	257.8	260.8	266.0	275.0	288.4	310.1	342.9	383.3	465.5
47.5°	226.4	230.1	232.4	236.1	239.8	249.5	262.3	276.4	303.3	342.9	402.7
50°	205.5	210.0	212.9	213.7	216.7	225.6	236.1	251.8	269.0	299.6	351.9
52.5°	190.5	191.3	193.5	196.5	195.8	201.0	210.7	222.7	240.6	265.2	303.3
55°	173.3	175.6	177.1	177.8	177.8	182.3	187.5	198.7	212.9	233.1	265.2
57.5°	151.7	153.9	158.4	159.9	162.1	164.4	166.6	174.1	186.0	205.5	231.6
60°	129.3	130.8	135.2	138.2	139.7	145.7	148.7	154.7	161.4	175.6	200.2
62.5°	103.9	105.3	107.6	110.6	113.6	122.5	130.0	136.0	141.2	150.9	171.1
65°	90.4	91.2	92.6	93.4	94.1	97.9	104.6	112.8	122.5	130.0	142.0
67.5°	78.5	79.2	79.9	81.4	82.2	82.9	85.9	88.2	97.9	108.3	117.3
70°	67.2	68.7	69.5	69.5	70.2	71.7	73.2	76.2	79.2	84.4	95.6
72.5°	56.8	57.5	59.0	59.0	59.0	60.5	62.0	63.5	65.0	68.0	72.5
75°	47.1	48.6	48.6	48.6	49.3	49.3	50.8	52.3	53.8	56.0	57.5
77.5°	38.9	38.9	38.9	38.9	39.6	39.6	40.3	41.8	42.6	43.3	44.8
80°	29.1	29.9	29.9	29.9	30.6	30.6	30.6	32.1	32.9	32.9	34.4
82.5°	21.7	21.7	21.7	22.4	21.7	22.4	22.4	23.2	22.4	23.2	23.9
85°	13.4	13.4	13.4	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.9
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.5	6.7	6.7
90°	25.3	25.3	25.3	24.9	24.5	23.0	24.5	25.3	26.1	25.3	20.7
92.5°	47.5	50.6	51.4	54.4	57.5	65.9	77.4	98.9	118.1	116.5	90.5
95°	88.9	95.1	105.0	113.4	121.9	154.1	200.9	263.0	300.5	266.0	177.1
97.5°	159.5	174.8	204.7	227.7	250.7	328.1	410.9	493.8	489.9	378.7	235.4
100°	310.5	343.5	407.1	453.5	499.9	604.9	700.0	716.1	605.7	417.1	251.5
102.5°	584.2	646.3	716.9	766.7	816.5	886.3	889.4	798.9	609.5	402.5	252.2
105°	907.8	955.3	1002.8	1015.4	1028.1	1018.2	931.5	772.1	568.1	382.6	256.1
107.5°	1113.2	1120.1	1120.9	1105.6	1090.2	1015.1	886.3	715.3	529.8	371.8	264.5
110°	1170.0	1155.4	1122.4	1091.0	1059.6	961.4	824.2	662.4	503.7	368.8	275.2

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1154.6	1127.8	1078.7	1041.6	1004.4	897.8	767.5	625.6	486.9	369.5	286.7
115°	1110.2	1074.9	1020.5	981.0	941.5	841.1	723.0	596.5	475.4	372.6	298.2
117.5°	1054.2	1016.6	960.7	923.1	885.5	792.0	686.2	576.6	469.2	377.2	310.5
120°	995.9	959.9	906.2	871.4	836.5	755.2	660.1	561.2	463.9	381.8	322.8
122.5°	943.8	908.5	861.8	831.1	800.4	724.5	639.4	548.2	460.8	387.2	333.5
125°	897.0	867.9	823.4	794.6	765.9	698.5	619.5	535.9	457.0	392.5	345.0
127.5°	857.2	829.6	790.5	763.6	736.8	672.4	599.6	524.4	454.7	397.9	355.7
130°	821.1	795.1	757.5	732.2	706.9	646.3	580.4	512.9	453.1	404.0	365.7
132.5°	785.9	759.8	723.0	699.6	676.2	621.8	562.0	503.7	452.4	410.2	375.7
135°	747.5	722.2	689.3	667.8	646.3	595.7	545.1	495.3	451.6	414.8	384.1
137.5°	708.4	686.2	654.8	635.6	616.4	575.0	531.3	489.2	451.6	419.4	391.0
140°	668.6	648.6	624.1	607.2	590.4	555.1	518.3	483.8	450.8	422.5	396.4
142.5°	634.1	616.4	593.4	580.0	566.6	537.5	507.6	478.4	450.8	424.8	401.0
145°	600.3	587.3	568.9	557.8	546.7	522.9	497.6	473.8	449.3	426.3	404.8
147.5°	573.5	562.8	546.7	538.2	529.8	510.6	489.9	469.2	447.0	427.1	407.1
150°	549.0	539.8	528.3	521.4	514.5	498.4	481.5	463.1	444.7	426.3	408.6
152.5°	529.0	521.4	512.9	507.2	501.4	488.4	473.1	457.7	440.9	424.8	409.4
155°	511.4	506.0	497.6	493.4	489.2	477.7	465.4	450.8	436.3	423.2	410.2
157.5°	494.5	489.9	483.8	480.4	476.9	466.9	456.2	444.7	431.7	420.2	410.2
160°	479.2	475.4	470.0	467.3	464.6	456.2	447.8	437.8	427.1	417.9	410.2
162.5°	464.6	462.3	457.0	455.0	453.1	446.2	439.3	431.7	423.2	415.6	409.4
165°	450.8	447.8	444.7	443.2	441.6	436.3	430.9	424.8	417.9	412.5	407.9
167.5°	437.0	435.5	434.0	432.4	430.9	427.1	422.5	417.9	413.3	409.4	407.1
170°	426.3	424.0	423.2	422.4	421.7	418.6	416.3	412.5	409.4	407.1	405.6
172.5°	415.6	414.8	414.0	413.6	413.3	410.9	409.4	407.1	404.8	404.0	403.3
175°	407.9	407.1	407.1	406.7	406.3	405.6	404.8	402.5	401.7	401.0	401.7
177.5°	401.7	401.7	401.7	401.7	401.7	401.0	401.0	399.4	398.7	399.4	401.0
180°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1097.6	1093.8	1093.8	1091.6	1091.6	1079.6	1079.6	1083.4	1078.9	1073.7	1066.2
5°	1126.0	1117.7	1115.5	1112.5	1102.8	1087.9	1081.9	1079.6	1070.7	1059.5	1046.8
7.5°	1152.9	1139.4	1132.7	1126.0	1113.3	1092.3	1080.4	1072.2	1058.7	1041.5	1025.1
10°	1179.0	1161.8	1144.6	1136.4	1118.5	1092.3	1075.2	1061.7	1042.3	1019.1	996.0
12.5°	1202.9	1167.1	1164.1	1147.6	1121.5	1091.6	1065.4	1046.0	1021.4	994.5	967.6
15°	1223.8	1187.2	1169.3	1154.4	1120.0	1082.6	1055.0	1031.1	998.2	967.6	934.7
17.5°	1234.3	1194.7	1182.7	1158.1	1123.0	1074.4	1037.0	1007.9	972.0	935.4	898.1
20°	1244.8	1198.4	1179.0	1161.8	1114.0	1058.7	1016.9	983.3	943.7	900.3	859.2
22.5°	1250.0	1198.4	1175.3	1151.4	1105.0	1041.5	992.2	952.6	906.3	862.2	812.9
25°	1241.0	1194.0	1166.3	1141.7	1089.4	1020.6	963.8	919.0	869.7	819.6	769.6
27.5°	1218.6	1183.5	1151.4	1126.0	1067.7	993.7	933.9	883.1	832.3	776.3	725.5
30°	1176.8	1161.1	1135.7	1107.3	1043.8	969.8	898.8	846.5	790.5	734.5	681.4
32.5°	1111.8	1125.2	1108.8	1084.1	1015.4	936.9	861.5	808.4	747.2	686.6	638.1
35°	1032.6	1080.4	1071.4	1054.2	985.5	901.8	826.4	762.1	700.8	639.6	591.0
37.5°	945.9	1018.4	1025.8	1015.4	951.1	866.0	783.0	720.3	657.5	595.5	546.2
40°	827.1	938.4	962.3	966.8	915.3	822.6	735.9	674.7	612.7	552.1	492.4
42.5°	718.0	858.5	888.4	907.0	869.7	780.0	692.6	624.6	563.4	508.8	449.0
45°	615.7	762.1	810.7	834.6	818.1	731.5	641.1	577.5	521.5	471.5	413.9
47.5°	510.3	657.5	725.5	763.6	763.6	682.2	591.7	529.0	475.2	432.6	381.8
50°	440.1	562.6	632.8	682.9	696.3	632.1	546.9	485.6	434.8	388.5	349.7
52.5°	375.1	484.9	543.2	595.5	634.3	578.3	496.9	441.6	391.5	348.2	317.5
55°	324.3	406.5	459.5	517.0	560.4	523.8	448.3	394.5	351.2	315.3	289.1
57.5°	275.7	347.4	390.8	441.6	487.9	460.2	399.7	353.4	315.3	283.9	260.8
60°	234.6	292.9	326.5	366.1	423.6	404.2	354.2	311.6	280.9	252.5	233.1
62.5°	199.5	245.8	274.2	302.6	354.9	345.9	307.1	274.2	248.1	224.1	207.7
65°	163.6	201.7	224.1	248.8	290.6	294.4	263.0	239.8	215.9	195.0	180.1
67.5°	132.2	162.1	182.3	203.2	236.8	247.3	225.6	206.2	186.0	168.9	155.4
70°	106.8	127.8	142.7	159.1	186.8	199.5	188.3	174.8	158.4	144.2	132.2
72.5°	84.4	97.9	106.8	119.5	142.0	154.7	153.9	142.0	130.0	120.3	110.6
75°	62.0	72.5	79.9	88.2	106.1	118.1	121.0	115.8	103.9	96.4	88.9
77.5°	47.1	53.0	56.8	62.8	75.5	85.9	90.4	88.9	80.7	74.7	69.5
80°	35.9	37.4	38.9	41.1	51.6	61.3	64.3	63.5	59.0	56.8	50.8
82.5°	25.4	26.2	26.9	27.6	31.4	39.6	42.6	44.1	40.3	38.1	32.9
85°	14.9	15.7	15.7	17.2	17.9	20.2	25.4	25.4	24.7	21.7	20.9
87.5°	7.5	7.5	6.7	6.7	7.5	8.2	9.7	11.2	9.7	9.0	8.2
90°	15.3	11.5	10.4	9.2	7.7	6.1	3.1	0.8	3.1	6.1	7.7
92.5°	61.3	40.6	36.4	32.2	26.1	22.2	16.1	11.5	16.1	22.2	26.1
95°	110.4	75.1	65.9	56.7	44.5	37.6	29.9	26.8	29.9	37.6	44.5
97.5°	142.6	97.4	87.1	76.7	62.9	52.9	44.5	39.9	44.5	52.9	62.9
100°	157.9	117.3	106.6	95.8	80.5	68.2	61.3	59.0	61.3	68.2	80.5
102.5°	171.7	134.9	124.2	113.5	97.4	85.1	78.2	76.7	78.2	85.1	97.4
105°	187.8	151.8	141.0	130.3	113.5	102.0	96.6	93.5	96.6	102.0	113.5
107.5°	203.9	168.7	158.0	147.2	130.3	119.6	114.2	111.9	114.2	119.6	130.3
110°	220.0	186.3	175.2	164.1	148.0	138.0	133.4	130.3	133.4	138.0	148.0

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	235.4	203.2	191.7	180.2	164.8	155.6	150.3	147.2	150.3	155.6	164.8
115°	251.5	218.5	208.2	197.8	182.5	173.3	168.7	164.8	168.7	173.3	182.5
117.5°	266.0	235.4	224.6	213.9	199.3	190.9	186.3	183.2	186.3	190.9	199.3
120°	281.4	251.5	240.8	230.0	214.7	207.8	203.2	200.1	203.2	207.8	214.7
122.5°	295.9	268.3	257.2	246.1	230.8	223.1	218.5	216.2	218.5	223.1	230.8
125°	310.5	282.9	272.2	261.4	246.1	236.9	232.3	230.0	232.3	236.9	246.1
127.5°	324.3	297.5	286.4	275.2	260.7	250.7	244.6	241.5	244.6	250.7	260.7
130°	336.6	309.7	299.0	288.3	272.9	262.2	254.5	251.5	254.5	262.2	272.9
132.5°	347.3	322.0	311.2	300.5	284.4	272.9	264.5	260.7	264.5	272.9	284.4
135°	357.3	332.7	322.0	311.3	293.6	282.1	272.9	269.9	272.9	282.1	293.6
137.5°	365.7	341.2	331.2	321.2	303.6	291.3	282.1	278.3	282.1	291.3	303.6
140°	372.6	349.6	339.6	329.7	312.8	300.5	291.3	288.3	291.3	300.5	312.8
142.5°	378.0	355.7	346.5	337.3	321.2	309.0	300.5	298.2	300.5	309.0	321.2
145°	383.3	362.6	354.2	345.8	330.4	318.9	311.3	308.2	311.3	318.9	330.4
147.5°	387.9	368.0	360.4	352.7	339.6	328.9	321.2	318.9	321.2	328.9	339.6
150°	391.0	373.4	366.5	359.6	348.1	338.1	332.0	329.7	332.0	338.1	348.1
152.5°	394.1	378.7	372.6	366.5	355.7	347.3	341.2	340.4	341.2	347.3	355.7
155°	397.1	384.1	378.4	372.6	364.2	355.7	351.1	350.4	351.1	355.7	364.2
157.5°	399.4	387.9	383.0	378.0	371.1	363.4	359.6	358.8	359.6	363.4	371.1
160°	401.0	391.8	387.6	383.3	377.2	371.1	368.0	367.2	368.0	371.1	377.2
162.5°	401.7	394.1	391.0	387.9	382.6	378.0	374.9	375.7	374.9	378.0	382.6
165°	402.5	395.6	393.3	391.0	387.2	382.6	381.0	381.8	381.0	382.6	387.2
167.5°	402.5	397.1	395.6	394.1	391.0	387.9	386.4	387.2	386.4	387.9	391.0
170°	401.7	397.9	396.8	395.6	394.1	391.8	391.0	392.5	391.0	391.8	394.1
172.5°	401.0	398.7	397.9	397.1	396.4	394.1	394.8	395.6	394.8	394.1	396.4
175°	400.2	398.7	398.3	397.9	397.9	396.4	397.1	397.9	397.1	396.4	397.9
177.5°	399.4	398.7	398.7	398.7	398.7	397.1	397.9	399.4	397.9	397.1	398.7
180°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1063.2	1063.9	1066.2	1059.5	1049.0	1044.5	1031.1	1028.8	1026.6	1026.6	1028.8
5°	1039.3	1036.3	1037.0	1024.3	1009.4	1000.4	981.8	984.7	975.0	969.1	970.6
7.5°	1013.1	1004.9	1004.2	987.7	969.1	952.6	933.2	928.7	919.7	909.3	904.8
10°	980.3	974.3	963.1	944.4	920.5	907.0	880.9	865.2	863.0	847.3	841.3
12.5°	946.6	936.2	925.0	898.8	871.9	850.3	830.8	813.7	801.7	788.2	779.3
15°	907.8	895.1	882.4	854.7	823.4	801.7	772.6	747.2	712.0	684.4	668.7
17.5°	865.2	851.0	833.8	803.2	772.6	742.7	688.9	659.0	634.3	617.9	608.2
20°	821.1	805.4	788.2	757.6	704.6	652.3	622.4	599.2	584.3	567.8	555.9
22.5°	774.8	758.4	739.7	691.9	635.8	599.2	576.1	554.4	532.7	523.8	517.8
25°	731.5	716.5	692.6	627.6	583.5	549.9	523.8	509.6	498.4	486.4	475.2
27.5°	686.6	659.0	625.4	570.8	543.2	508.8	490.1	479.7	460.2	452.0	446.8
30°	632.8	602.2	570.1	531.2	499.1	475.2	458.0	440.8	429.6	421.4	412.4
32.5°	578.3	549.2	529.0	488.6	464.7	440.1	423.6	413.2	396.7	391.5	387.8
35°	531.2	506.6	488.6	455.8	433.3	410.9	399.0	383.3	372.8	363.1	357.1
37.5°	484.9	471.5	452.8	425.1	401.2	383.3	366.9	361.6	347.4	342.2	336.2
40°	452.8	432.6	416.9	393.0	372.8	353.4	342.9	331.0	321.3	313.1	310.8
42.5°	413.9	399.0	390.0	363.9	342.9	331.7	319.0	305.6	298.1	291.4	283.2
45°	384.8	371.3	358.6	337.7	319.0	304.8	293.6	284.7	272.0	269.0	256.3
47.5°	354.2	340.7	331.0	310.1	292.9	279.4	271.2	259.3	248.8	242.1	236.1
50°	323.5	312.3	303.3	285.4	270.5	256.3	245.1	233.1	228.6	217.4	213.7
52.5°	294.4	286.9	277.2	260.0	245.1	233.1	221.2	211.4	204.7	198.7	194.3
55°	269.7	257.8	253.3	234.6	221.9	209.2	198.7	192.8	184.5	180.8	177.1
57.5°	242.1	235.4	227.9	213.7	199.5	187.5	180.1	171.1	166.6	162.1	159.1
60°	218.2	208.5	202.5	190.5	177.8	166.6	159.9	153.2	147.2	143.5	137.5
62.5°	190.5	183.1	179.3	166.6	156.2	145.7	139.7	133.0	128.5	121.8	114.3
65°	166.6	160.6	156.2	145.7	136.0	126.3	120.3	112.1	106.1	102.4	101.6
67.5°	145.7	141.2	134.5	124.8	115.1	107.6	100.9	94.1	93.4	91.9	91.9
70°	122.5	118.1	114.3	103.9	95.6	87.4	85.9	83.7	81.4	80.7	79.2
72.5°	102.4	98.6	94.1	85.2	77.0	74.7	73.2	71.7	69.5	68.7	68.0
75°	82.9	77.7	74.7	66.5	64.3	62.8	61.3	59.0	57.5	56.8	55.3
77.5°	63.5	58.3	58.3	53.8	52.3	50.1	48.6	47.1	46.3	44.8	44.8
80°	44.8	44.8	43.3	41.1	38.9	38.1	35.9	35.1	34.4	35.1	33.6
82.5°	32.9	29.9	29.9	28.4	26.9	26.2	24.7	24.7	23.9	23.9	23.9
85°	18.7	18.7	17.9	16.4	15.7	15.7	14.9	14.9	14.2	14.2	13.4
87.5°	7.5	6.7	7.5	6.7	6.7	6.0	6.0	6.0	5.2	6.0	5.2
90°	9.2	10.4	11.5	15.3	20.7	25.3	26.1	25.3	24.5	23.0	24.5
92.5°	32.2	36.4	40.6	61.3	90.5	116.5	118.1	98.9	77.4	65.9	57.5
95°	56.7	65.9	75.1	110.4	177.1	266.0	300.5	263.0	200.9	154.1	121.9
97.5°	76.7	87.1	97.4	142.6	235.4	378.7	489.9	493.8	410.9	328.1	250.7
100°	95.8	106.6	117.3	157.9	251.5	417.1	605.7	716.1	700.0	604.9	499.9
102.5°	113.5	124.2	134.9	171.7	252.2	402.5	609.5	798.9	889.4	886.3	816.5
105°	130.3	141.0	151.8	187.8	256.1	382.6	568.1	772.1	931.5	1018.2	1028.1
107.5°	147.2	158.0	168.7	203.9	264.5	371.8	529.8	715.3	886.3	1015.1	1090.2
110°	164.1	175.2	186.3	220.0	275.2	368.8	503.7	662.4	824.2	961.4	1059.6

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	180.2	191.7	203.2	235.4	286.7	369.5	486.9	625.6	767.5	897.8	1004.4
115°	197.8	208.2	218.5	251.5	298.2	372.6	475.4	596.5	723.0	841.1	941.5
117.5°	213.9	224.6	235.4	266.0	310.5	377.2	469.2	576.6	686.2	792.0	885.5
120°	230.0	240.8	251.5	281.4	322.8	381.8	463.9	561.2	660.1	755.2	836.5
122.5°	246.1	257.2	268.3	295.9	333.5	387.2	460.8	548.2	639.4	724.5	800.4
125°	261.4	272.2	282.9	310.5	345.0	392.5	457.0	535.9	619.5	698.5	765.9
127.5°	275.2	286.4	297.5	324.3	355.7	397.9	454.7	524.4	599.6	672.4	736.8
130°	288.3	299.0	309.7	336.6	365.7	404.0	453.1	512.9	580.4	646.3	706.9
132.5°	300.5	311.2	322.0	347.3	375.7	410.2	452.4	503.7	562.0	621.8	676.2
135°	311.3	322.0	332.7	357.3	384.1	414.8	451.6	495.3	545.1	595.7	646.3
137.5°	321.2	331.2	341.2	365.7	391.0	419.4	451.6	489.2	531.3	575.0	616.4
140°	329.7	339.6	349.6	372.6	396.4	422.5	450.8	483.8	518.3	555.1	590.4
142.5°	337.3	346.5	355.7	378.0	401.0	424.8	450.8	478.4	507.6	537.5	566.6
145°	345.8	354.2	362.6	383.3	404.8	426.3	449.3	473.8	497.6	522.9	546.7
147.5°	352.7	360.4	368.0	387.9	407.1	427.1	447.0	469.2	489.9	510.6	529.8
150°	359.6	366.5	373.4	391.0	408.6	426.3	444.7	463.1	481.5	498.4	514.5
152.5°	366.5	372.6	378.7	394.1	409.4	424.8	440.9	457.7	473.1	488.4	501.4
155°	372.6	378.4	384.1	397.1	410.2	423.2	436.3	450.8	465.4	477.7	489.2
157.5°	378.0	383.0	387.9	399.4	410.2	420.2	431.7	444.7	456.2	466.9	476.9
160°	383.3	387.6	391.8	401.0	410.2	417.9	427.1	437.8	447.8	456.2	464.6
162.5°	387.9	391.0	394.1	401.7	409.4	415.6	423.2	431.7	439.3	446.2	453.1
165°	391.0	393.3	395.6	402.5	407.9	412.5	417.9	424.8	430.9	436.3	441.6
167.5°	394.1	395.6	397.1	402.5	407.1	409.4	413.3	417.9	422.5	427.1	430.9
170°	395.6	396.8	397.9	401.7	405.6	407.1	409.4	412.5	416.3	418.6	421.7
172.5°	397.1	397.9	398.7	401.0	403.3	404.0	404.8	407.1	409.4	410.9	413.3
175°	397.9	398.3	398.7	400.2	401.7	401.0	401.7	402.5	404.8	405.6	406.3
177.5°	398.7	398.7	398.7	399.4	401.0	399.4	398.7	399.4	401.0	401.0	401.7
180°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1028.8	1027.3	1022.9	1024.3	1022.1	1022.1	1020.6	1020.6	1020.6	1024.3	1022.1
5°	972.8	967.6	962.3	960.1	957.9	955.6	955.6	954.9	961.6	960.1	966.1
7.5°	903.3	901.8	891.4	891.4	887.6	886.1	889.9	890.6	891.4	892.8	896.6
10°	841.3	837.6	822.6	824.1	821.9	818.9	821.1	819.6	824.9	826.4	824.9
12.5°	768.1	761.3	744.9	736.7	727.7	721.0	729.2	723.2	744.2	750.1	766.6
15°	670.9	658.2	647.0	647.0	638.8	632.8	636.6	643.3	647.8	654.5	657.5
17.5°	605.9	600.7	591.7	586.5	584.3	582.0	582.0	585.0	594.7	594.0	600.0
20°	550.7	547.7	543.2	536.5	534.2	532.7	532.7	532.7	539.4	545.4	549.2
22.5°	512.5	510.3	507.3	498.4	493.9	492.4	496.1	498.4	503.6	508.1	511.8
25°	474.4	469.2	464.0	461.0	458.8	458.8	460.2	461.0	463.2	465.5	470.0
27.5°	443.1	439.3	431.9	423.6	423.6	421.4	422.9	424.4	429.6	437.1	440.8
30°	407.9	407.2	404.2	401.2	398.2	396.7	399.7	402.0	402.7	406.5	406.5
32.5°	382.5	377.3	372.1	369.1	367.6	366.9	367.6	370.6	370.6	375.1	380.3
35°	357.1	354.2	348.9	343.7	342.2	338.5	341.4	344.4	349.7	351.9	354.2
37.5°	329.5	325.8	323.5	322.0	319.0	319.8	317.5	322.0	326.5	325.8	327.3
40°	308.6	301.9	295.1	294.4	293.6	292.9	292.9	293.6	296.6	299.6	304.1
42.5°	281.7	279.4	273.5	267.5	266.0	264.5	263.0	266.0	272.0	277.2	279.4
45°	254.0	251.0	249.5	245.1	242.1	241.3	239.8	243.6	248.8	251.0	252.5
47.5°	228.6	227.9	223.4	224.1	221.9	222.7	221.9	224.1	224.1	226.4	227.9
50°	211.4	209.2	207.0	205.5	203.2	203.2	202.5	203.2	206.2	209.2	208.5
52.5°	194.3	190.5	189.8	189.0	187.5	189.0	186.8	187.5	190.5	192.0	191.3
55°	174.1	173.3	171.8	170.4	169.6	168.9	168.9	168.9	171.8	174.1	174.8
57.5°	158.4	154.7	151.7	151.7	148.7	147.9	149.4	150.2	152.4	153.9	155.4
60°	136.7	135.2	130.8	128.5	124.0	123.3	123.3	126.3	130.0	135.2	136.7
62.5°	113.6	111.3	110.6	110.6	110.6	110.6	110.6	110.6	110.6	111.3	111.3
65°	100.9	101.6	100.9	100.1	100.9	100.9	100.1	100.1	100.1	100.9	101.6
67.5°	90.4	89.7	90.4	89.7	88.9	88.9	88.2	88.9	89.7	90.4	90.4
70°	78.5	78.5	77.7	78.5	77.7	77.0	76.2	76.2	77.7	78.5	78.5
72.5°	67.2	67.2	66.5	66.5	65.0	65.0	65.7	65.0	65.0	67.2	67.2
75°	56.0	55.3	54.5	54.5	53.8	53.8	53.8	53.0	54.5	54.5	55.3
77.5°	44.1	44.1	44.1	43.3	43.3	42.6	42.6	43.3	43.3	43.3	44.1
80°	33.6	33.6	33.6	32.9	32.1	32.1	32.1	32.1	32.1	32.9	32.1
82.5°	23.2	23.2	23.2	23.2	23.2	22.4	22.4	22.4	23.2	23.2	22.4
85°	14.2	13.4	14.2	14.2	13.4	14.2	13.4	13.4	12.7	12.7	13.4
87.5°	6.0	5.2	4.5	4.5	5.2	4.5	4.5	4.5	5.2	4.5	4.5
90°	24.9	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	24.9
92.5°	54.4	51.4	50.6	47.5	48.3	46.8	48.3	47.5	50.6	51.4	54.4
95°	113.4	105.0	95.1	88.9	86.6	87.4	86.6	88.9	95.1	105.0	113.4
97.5°	227.7	204.7	174.8	159.5	151.0	146.4	151.0	159.5	174.8	204.7	227.7
100°	453.5	407.1	343.5	310.5	288.3	274.5	288.3	310.5	343.5	407.1	453.5
102.5°	766.7	716.9	646.3	584.2	555.1	535.2	555.1	584.2	646.3	716.9	766.7
105°	1015.4	1002.8	955.3	907.8	874.8	864.1	874.8	907.8	955.3	1002.8	1015.4
107.5°	1105.6	1120.9	1120.1	1113.2	1103.3	1085.6	1103.3	1113.2	1120.1	1120.9	1105.6
110°	1091.0	1122.4	1155.4	1170.0	1176.9	1176.1	1176.9	1170.0	1155.4	1122.4	1091.0

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1041.6	1078.7	1127.8	1154.6	1169.2	1174.6	1169.2	1154.6	1127.8	1078.7	1041.6
115°	981.0	1020.5	1074.9	1110.2	1130.1	1137.0	1130.1	1110.2	1074.9	1020.5	981.0
117.5°	923.1	960.7	1016.6	1054.2	1074.9	1080.3	1074.9	1054.2	1016.6	960.7	923.1
120°	871.4	906.2	959.9	995.9	1018.2	1025.8	1018.2	995.9	959.9	906.2	871.4
122.5°	831.1	861.8	908.5	943.8	963.0	969.1	963.0	943.8	908.5	861.8	831.1
125°	794.6	823.4	867.9	897.0	916.2	922.3	916.2	897.0	867.9	823.4	794.6
127.5°	763.6	790.5	829.6	857.2	874.0	878.6	874.0	857.2	829.6	790.5	763.6
130°	732.2	757.5	795.1	821.1	836.5	842.6	836.5	821.1	795.1	757.5	732.2
132.5°	699.6	723.0	759.8	785.9	799.7	805.0	799.7	785.9	759.8	723.0	699.6
135°	667.8	689.3	722.2	747.5	761.3	764.4	761.3	747.5	722.2	689.3	667.8
137.5°	635.6	654.8	686.2	708.4	720.7	725.3	720.7	708.4	686.2	654.8	635.6
140°	607.2	624.1	648.6	668.6	680.1	684.7	680.1	668.6	648.6	624.1	607.2
142.5°	580.0	593.4	616.4	634.1	644.0	644.0	644.0	634.1	616.4	593.4	580.0
145°	557.8	568.9	587.3	600.3	608.0	610.3	608.0	600.3	587.3	568.9	557.8
147.5°	538.2	546.7	562.8	573.5	578.9	580.4	578.9	573.5	562.8	546.7	538.2
150°	521.4	528.3	539.8	549.0	553.6	554.3	553.6	549.0	539.8	528.3	521.4
152.5°	507.2	512.9	521.4	529.0	532.1	532.1	532.1	529.0	521.4	512.9	507.2
155°	493.4	497.6	506.0	511.4	514.5	512.9	514.5	511.4	506.0	497.6	493.4
157.5°	480.4	483.8	489.9	494.5	496.1	496.1	496.1	494.5	489.9	483.8	480.4
160°	467.3	470.0	475.4	479.2	480.0	480.0	480.0	479.2	475.4	470.0	467.3
162.5°	455.0	457.0	462.3	464.6	465.4	464.6	465.4	464.6	462.3	457.0	455.0
165°	443.2	444.7	447.8	450.8	450.8	450.1	450.8	450.8	447.8	444.7	443.2
167.5°	432.4	434.0	435.5	437.0	437.0	436.3	437.0	437.0	435.5	434.0	432.4
170°	422.4	423.2	424.0	426.3	425.5	424.0	425.5	426.3	424.0	423.2	422.4
172.5°	413.6	414.0	414.8	415.6	414.8	414.0	414.8	415.6	414.8	414.0	413.6
175°	406.7	407.1	407.1	407.9	407.1	405.6	407.1	407.9	407.1	407.1	406.7
177.5°	401.7	401.7	401.7	401.7	401.0	399.4	401.0	401.7	401.7	401.7	401.7
180°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1024.3	1028.1	1026.6	1018.4	1026.6	1028.8	1033.3	1037.8	1040.8	1045.3	1049.0
5°	960.1	967.6	972.0	967.6	982.5	984.7	995.2	1001.2	1010.2	1017.6	1023.6
7.5°	899.6	905.6	914.5	916.0	925.0	935.4	950.4	965.3	979.5	987.0	993.7
10°	834.6	845.0	858.5	855.5	868.9	885.4	901.1	925.0	936.9	950.4	962.3
12.5°	769.6	776.3	794.2	800.2	819.6	832.3	854.0	868.9	898.8	914.5	925.0
15°	656.0	683.6	706.1	733.0	758.4	782.3	801.7	828.6	854.7	866.7	883.9
17.5°	604.4	617.1	630.6	644.0	676.9	719.5	753.9	783.0	805.4	821.1	841.3
20°	550.7	563.4	578.3	591.0	611.2	641.8	684.4	734.5	761.3	777.8	797.2
22.5°	512.5	524.5	534.2	545.4	561.1	583.5	615.7	677.7	713.5	733.7	750.9
25°	471.5	486.4	496.9	505.1	517.8	542.4	568.6	603.7	668.0	683.6	707.6
27.5°	443.1	447.5	459.5	472.2	484.9	498.4	525.2	555.1	598.5	632.8	662.0
30°	409.4	420.6	431.9	437.1	448.3	467.7	484.2	516.3	549.9	576.8	611.9
32.5°	384.0	390.8	398.2	410.9	421.4	434.8	451.3	478.2	506.6	523.8	550.7
35°	355.6	360.1	375.8	381.0	391.5	405.0	421.4	442.3	472.9	486.4	505.8
37.5°	328.7	339.2	343.7	355.6	365.4	378.8	390.8	414.7	434.8	450.5	468.5
40°	307.8	312.3	320.5	331.0	339.2	349.7	364.6	381.8	403.5	416.2	431.9
42.5°	282.4	286.2	296.6	302.6	316.0	325.8	334.7	355.6	375.1	384.8	400.5
45°	254.8	263.7	270.5	282.4	289.9	301.9	313.1	328.0	345.9	357.1	366.1
47.5°	230.9	239.8	246.6	257.8	269.7	275.0	286.9	302.6	319.0	328.0	340.7
50°	211.4	214.4	227.1	232.4	245.1	255.5	263.7	277.2	295.1	300.4	310.8
52.5°	192.8	195.0	203.2	210.0	221.2	230.1	240.6	253.3	268.2	276.4	284.7
55°	176.3	177.8	181.6	189.0	196.5	207.7	217.4	229.4	242.1	251.0	258.5
57.5°	157.6	160.6	163.6	168.1	175.6	186.0	196.5	207.7	218.2	224.1	233.9
60°	136.0	140.5	145.7	150.9	156.2	163.6	175.6	186.0	195.8	201.0	208.5
62.5°	112.8	121.8	126.3	132.2	136.7	143.5	152.4	164.4	171.1	177.8	183.8
65°	101.6	102.4	103.1	109.1	117.3	124.0	132.2	141.2	151.7	156.2	160.6
67.5°	90.4	91.2	92.6	93.4	96.4	103.9	112.8	122.5	130.8	133.7	138.2
70°	79.2	79.2	82.2	82.9	83.7	84.4	91.9	101.6	109.1	112.8	118.1
72.5°	67.2	68.0	69.5	70.2	71.7	73.2	75.5	80.7	89.7	93.4	99.4
75°	55.3	56.0	56.8	57.5	59.8	60.5	62.8	65.7	69.5	74.0	77.7
77.5°	44.1	44.1	44.8	46.3	47.8	48.6	50.8	52.3	53.8	56.0	59.0
80°	32.9	33.6	33.6	35.1	35.1	35.9	36.6	38.9	40.3	41.8	43.3
82.5°	22.4	23.9	23.9	23.9	24.7	25.4	26.2	26.2	27.6	28.4	30.6
85°	13.4	14.2	14.2	14.2	13.4	14.9	14.9	15.7	15.7	15.7	16.4
87.5°	5.2	4.5	5.2	5.2	5.2	6.0	5.2	5.2	6.0	6.7	6.7
90°	24.5	23.0	24.5	25.3	26.1	25.3	20.7	15.3	11.5	10.4	9.2
92.5°	57.5	65.9	77.4	98.9	118.1	116.5	90.5	61.3	40.6	36.4	32.2
95°	121.9	154.1	200.9	263.0	300.5	266.0	177.1	110.4	75.1	65.9	56.7
97.5°	250.7	328.1	410.9	493.8	489.9	378.7	235.4	142.6	97.4	87.1	76.7
100°	499.9	604.9	700.0	716.1	605.7	417.1	251.5	157.9	117.3	106.6	95.8
102.5°	816.5	886.3	889.4	798.9	609.5	402.5	252.2	171.7	134.9	124.2	113.5
105°	1028.1	1018.2	931.5	772.1	568.1	382.6	256.1	187.8	151.8	141.0	130.3
107.5°	1090.2	1015.1	886.3	715.3	529.8	371.8	264.5	203.9	168.7	158.0	147.2
110°	1059.6	961.4	824.2	662.4	503.7	368.8	275.2	220.0	186.3	175.2	164.1

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1004.4	897.8	767.5	625.6	486.9	369.5	286.7	235.4	203.2	191.7	180.2
115°	941.5	841.1	723.0	596.5	475.4	372.6	298.2	251.5	218.5	208.2	197.8
117.5°	885.5	792.0	686.2	576.6	469.2	377.2	310.5	266.0	235.4	224.6	213.9
120°	836.5	755.2	660.1	561.2	463.9	381.8	322.8	281.4	251.5	240.8	230.0
122.5°	800.4	724.5	639.4	548.2	460.8	387.2	333.5	295.9	268.3	257.2	246.1
125°	765.9	698.5	619.5	535.9	457.0	392.5	345.0	310.5	282.9	272.2	261.4
127.5°	736.8	672.4	599.6	524.4	454.7	397.9	355.7	324.3	297.5	286.4	275.2
130°	706.9	646.3	580.4	512.9	453.1	404.0	365.7	336.6	309.7	299.0	288.3
132.5°	676.2	621.8	562.0	503.7	452.4	410.2	375.7	347.3	322.0	311.2	300.5
135°	646.3	595.7	545.1	495.3	451.6	414.8	384.1	357.3	332.7	322.0	311.3
137.5°	616.4	575.0	531.3	489.2	451.6	419.4	391.0	365.7	341.2	331.2	321.2
140°	590.4	555.1	518.3	483.8	450.8	422.5	396.4	372.6	349.6	339.6	329.7
142.5°	566.6	537.5	507.6	478.4	450.8	424.8	401.0	378.0	355.7	346.5	337.3
145°	546.7	522.9	497.6	473.8	449.3	426.3	404.8	383.3	362.6	354.2	345.8
147.5°	529.8	510.6	489.9	469.2	447.0	427.1	407.1	387.9	368.0	360.4	352.7
150°	514.5	498.4	481.5	463.1	444.7	426.3	408.6	391.0	373.4	366.5	359.6
152.5°	501.4	488.4	473.1	457.7	440.9	424.8	409.4	394.1	378.7	372.6	366.5
155°	489.2	477.7	465.4	450.8	436.3	423.2	410.2	397.1	384.1	378.4	372.6
157.5°	476.9	466.9	456.2	444.7	431.7	420.2	410.2	399.4	387.9	383.0	378.0
160°	464.6	456.2	447.8	437.8	427.1	417.9	410.2	401.0	391.8	387.6	383.3
162.5°	453.1	446.2	439.3	431.7	423.2	415.6	409.4	401.7	394.1	391.0	387.9
165°	441.6	436.3	430.9	424.8	417.9	412.5	407.9	402.5	395.6	393.3	391.0
167.5°	430.9	427.1	422.5	417.9	413.3	409.4	407.1	402.5	397.1	395.6	394.1
170°	421.7	418.6	416.3	412.5	409.4	407.1	405.6	401.7	397.9	396.8	395.6
172.5°	413.3	410.9	409.4	407.1	404.8	404.0	403.3	401.0	398.7	397.9	397.1
175°	406.3	405.6	404.8	402.5	401.7	401.0	401.7	400.2	398.7	398.3	397.9
177.5°	401.7	401.0	401.0	399.4	398.7	399.4	401.0	399.4	398.7	398.7	398.7
180°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1075.2	1075.2	1075.2	1075.2
2.5°	1055.7	1053.5	1066.9	1081.9
5°	1034.1	1037.8	1055.0	1075.9
7.5°	1011.6	1019.9	1040.0	1067.7
10°	980.3	995.2	1025.8	1054.2
12.5°	949.6	969.8	998.9	1032.6
15°	915.3	937.7	973.5	1013.9
17.5°	877.2	902.6	944.4	988.5
20°	836.8	870.4	914.5	962.3
22.5°	792.0	832.3	877.9	931.0
25°	748.6	792.7	838.3	899.6
27.5°	706.1	749.4	800.2	862.2
30°	663.5	703.1	757.6	824.1
32.5°	617.9	659.0	716.5	784.5
35°	576.1	617.1	670.9	738.2
37.5°	531.2	575.3	626.9	696.3
40°	478.9	530.5	580.5	647.0
42.5°	435.6	490.1	538.7	601.5
45°	401.2	452.8	493.1	554.4
47.5°	369.1	410.9	452.0	508.8
50°	338.5	370.6	413.2	464.0
52.5°	307.1	334.7	371.3	419.2
55°	278.7	304.8	337.7	374.3
57.5°	252.5	271.2	304.1	337.0
60°	223.4	242.8	268.2	295.9
62.5°	198.7	213.7	237.6	260.8
65°	172.6	186.8	204.7	226.4
67.5°	148.7	161.4	175.6	192.8
70°	127.0	136.7	147.2	162.1
72.5°	103.9	114.3	124.0	136.0
75°	85.2	89.7	97.9	106.1
77.5°	65.7	71.7	76.2	82.9
80°	47.1	52.3	53.8	59.0
82.5°	31.4	34.4	37.4	38.9
85°	17.9	19.4	22.4	23.2
87.5°	6.7	7.5	9.0	10.5
90°	7.7	6.1	3.1	0.8
92.5°	26.1	22.2	16.1	11.5
95°	44.5	37.6	29.9	26.8
97.5°	62.9	52.9	44.5	39.9
100°	80.5	68.2	61.3	59.0
102.5°	97.4	85.1	78.2	76.7
105°	113.5	102.0	96.6	93.5
107.5°	130.3	119.6	114.2	111.9
110°	148.0	138.0	133.4	130.3

TEST NUMBER: P1010052

CATALOG NUMBER: S122RDIP-B485D725UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	164.8	155.6	150.3	147.2
115°	182.5	173.3	168.7	164.8
117.5°	199.3	190.9	186.3	183.2
120°	214.7	207.8	203.2	200.1
122.5°	230.8	223.1	218.5	216.2
125°	246.1	236.9	232.3	230.0
127.5°	260.7	250.7	244.6	241.5
130°	272.9	262.2	254.5	251.5
132.5°	284.4	272.9	264.5	260.7
135°	293.6	282.1	272.9	269.9
137.5°	303.6	291.3	282.1	278.3
140°	312.8	300.5	291.3	288.3
142.5°	321.2	309.0	300.5	298.2
145°	330.4	318.9	311.3	308.2
147.5°	339.6	328.9	321.2	318.9
150°	348.1	338.1	332.0	329.7
152.5°	355.7	347.3	341.2	340.4
155°	364.2	355.7	351.1	350.4
157.5°	371.1	363.4	359.6	358.8
160°	377.2	371.1	368.0	367.2
162.5°	382.6	378.0	374.9	375.7
165°	387.2	382.6	381.0	381.8
167.5°	391.0	387.9	386.4	387.2
170°	394.1	391.8	391.0	392.5
172.5°	396.4	394.1	394.8	395.6
175°	397.9	396.4	397.1	397.9
177.5°	398.7	397.1	397.9	399.4
180°	398.7	398.7	398.7	398.7

(END OF REPORT)